

(19) **KOREAN INTELLECTUAL PROPERTY OFFICE**

# KOREAN PATENT ABSTRACTS

(11)Publication number: **1020010048328**  
**A**  
 (43)Date of publication of application: **15.06.2001**

(21)Application number: **1019990052992**

(71)Applicant: **SAMSUNG ELECTRONICS CO., LTD.**

(22)Date of filing: **26.11.1999**

(72)Inventor: **CHOI, JUN BO**

(30)Priority: **..**

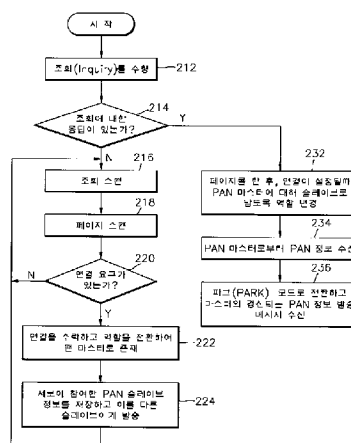
(51)Int. Cl **H04L 12/28**

## (54) NETWORK OPERATING METHOD BETWEEN BLUETOOTH MOUNTING INSTRUMENTS

(57) Abstract:

PURPOSE: A network operating method between bluetooth mounting instruments is provided to exclude an information collecting procedure through connection to obtain information on other instrument by every device of a network in constructing a personal ad-hoc network(PAN), and certainly set a connection to a different instrument by rendering a PAN slave to request a PAN master to connect to a different slave of the PAN. CONSTITUTION: A PAN manager checks whether a different bluetooth mounting instrument exists in a

propagation coverage and determines whether there is a response thereto(212,214). If there is no response, an inquiry scan and a page scan is repeated(216,218). A mode of slaves of the PAN is suitably switched and if there is a connection request of a different instrument which is newly advancing, the connection is accepted(220). In order to continuously perform as a PAN master, a role switching is requested to remain as a PAN mater(222). Information on the slaves constituting itself and the current PAN is transmitted to a slave which is newly advancing to the PAN, and instrument information for a PAN slave which is newly advancing or releasing is stored and broadcast to a different slave(224). After paging is performed to a PAN master to newly advancing to the previously constituted PAN, when a connection is established, a role is changed and remains as a slave for the PAN master(232). Information on every slave constituting the PAN is received from the PAN master (234). If there is no communication with a different instrument of the PAN, it is switched to a park mode to receive information broadcast by the PAN master and its own PAN information is updated



(236).

COPYRIGHT 2001 KIPO

Legal Status

Date of request for an examination (20041102)

Notification date of refusal decision ( )

Final disposal of an application (registration)

Date of final disposal of an application (20061221)

Patent registration number (1006770780000)

Date of registration (20070126)

Number of opposition against the grant of a patent ( )

Date of opposition against the grant of a patent ( )

Number of trial against decision to refuse ( )

Date of requesting trial against decision to refuse ( )